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United States Environmental Protection Agency
Pollution Report

EPA Region 5 Records Ctr.
308261

I. HEADINGS

DATE: February 27, 2001

SUBJECT: **Pollution Report for the Mahoningside Power Plant Site, Warren, Trumbull County, Ohio**

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POLREP 12 - Fund-lead Removal (FINAL)

II. BACKGROUND

Site No:	*B5P4*
NPL Status:	Non-NPL
Response Authority	CERCLA
State Notification:	Ohio EPA
Mobilization Date:	October 10, 2000 (August 7, 2000 for water treatment)
Completion Date:	February 23, 2001
Latitude:	41°14'37.5" N
Longitude:	80°49'42.8" W
CERCLA Incident Category:	Removal - Fund-lead

III. SITE INFORMATION

A. Incident Category: Removal- Fund-lead

B. Site Description

1. Site Location and Background

The Mahoningside Power Plant site is located at 650 Summit Street in Warren, Trumbull County, Ohio. The geographical coordinates for the site are latitude 41°14'37.5" north and longitude 80°49'42.8" west. The site is located in a mixed residential, industrial, and commercial area. The site is bordered to the south by Summit Road. A railroad line is located to the north of the site. The west portion of the site is bound by Tod Avenue, and to the east of the site is the Mahoning River and Mahoning Avenue. There is a school within one mile of the site (to the south). Approximately one half mile to the southeast of the site is City Hall, and there is a city park less than 1/4 mile to the south.

For background information, see POLREP 1.

IV. RESPONSE INFORMATION

A. Situation

1. Current situation

On October 10, 2000, U.S. EPA initiated a removal action at the Mahoningside Power Plant site to stabilize and remove PCB and potential mercury contaminated soils, debris, and sediments. U.S. EPA has completed cleaning the sumps, trenches, and drains of the basement of the former power plant. Sampling of the Mahoning River to estimate the extent of PCB contamination has been completed. Sub-surface sampling to identify potential areas of PCB contamination has been completed. An estimated 1,770 tons of PCB-contaminated waste (in the form of soil, concrete, and soft shale) and 25 pounds of mercury waste have been transported off-site for final disposal. A waste water treatment system (WWTS) remains on site and is the property of the City of Warren. Final demobilization of the site occurred on February 23, 2001.

2. Removal actions to date:

On February 12, 2001, the Emergency Rapid Response Services (ERRS) contractor removed waste soils from on-site roll-off boxes, operated the waste water treatment system (WWTS), mobilized a long-reach excavator to conduct river sediment removal, set a silt screen surrounding the area of the river to be excavated, and demobilized one of the excavators from site. Site security continued during non-working hours.

On February 13, 2001, ERRS continued WWTS operation and maintenance. ERRS also mobilized a crane to lower the long-reach excavator into the work area of the river and removed approximately 40 yards of river sediment from the area of the former 42-inch discharge pipe. The heavily contaminated area was mostly sediment which was covering a cement pad on the river bottom. This area was repeatedly scraped to ensure that contaminated sediments were adequately removed. Site security continued during non-working hours.

On February 14, 2001, ERRS continued WWTS operation and maintenance, resumed excavation

of PCB contaminated materials from pits, lines, and trenches in the basement area, and demobilized the crane from site after pulling the long-reach excavator from the river. Analytical results were received from confirmation sampling and revealed that all composite samples collected from the sidewalls and floor of the excavation totaled less than 5 parts per million total PCBs. ERRS also backfilled the area of sediment removal in the river with sand, and began backfilling the excavations in the basement with previously removed concrete. Site security continued during non-working hours.

On February 15, 2001, ERRS continued WWTS operation and maintenance, continued excavating PCB contaminated materials and had sand delivered to site to use in backfilling operations. Approximately 50 percent of the backfilling operations for the main excavation area in the basement was completed. Site security continued during non-working hours.

On February 16, 2001, ERRS continued WWTS operation and maintenance, and backfilling operations. ERRS also completed backfilling the main excavation area in the basement and began scraping the basement floor for debris and soil removal. Site security continued during non-working hours.

On February 19, 2001, ERRS continued WWTS operation and maintenance, mobilized a vacuum truck to assist with debris removal and pressure washing activities, and began pressure washing the basement floor, pits, and trenches. Site security continued during non-working hours.

On February 20, 2001, ERRS continued WWTS operation and maintenance, completed pressure washing the basement floor, pits, and trenches, completed scraping the basement floor, began installation of construction fence around the basement perimeter, and had 300 tons of backfill material delivered to site. Site security continued during non-working hours.

On February 21, 2001, ERRS continued WWTS operation and maintenance, removed spent carbon from the WWTS, removed sludge from the settling boxes of the WWTS, and continued pressure washing activities. ERRS also continued installation of construction fence around the basement perimeter, backfilled lines, sumps, and trenches, and transported twelve loads (276 tons) of PCB contaminated material to CWM Chemical Services LLC landfill in Model City, New York for disposal. Site security continued during non-working hours.

On February 22, 2001, ERRS continued WWTS operation and maintenance, decontaminated and demobilized site equipment, continued installation of construction fence around the basement perimeter, and continued backfilling of lines, sumps, and trenches. ERRS also cleaned sediment and soils from out chutes in concrete pads in the basement, and transported eight loads (184 tons) of PCB contaminated material to CWM Chemical Services LLC landfill in Model City, New York for disposal. Site security continued during non-working hours.

On February 23, 2001, ERRS, completed installation of construction fence around the basement perimeter, completed backfilling of lines, sumps, and trenches, and transported five loads (115 tons) of PCB contaminated material to CWM Chemical Services LLC landfill in Model City, New York for disposal. The site office trailer, crew, and all equipment were demobilized. Off-hour site security was ended.

B. Next Steps

- Conduct a final walk-through of the site.

- Provide a report detailing PCB findings and removal.

C. Key Issues

- None.

V. Cost Information

Estimated Costs To Date (as of 02-20-01):

ERRS	$751,559
EPA	$ 48,923
START	$ 47,200
Total	$847,682

VI. Disposition of Wastes

Wastestream	Est. Quantity (total)	Disposal Method	Disposal Facility
Waste polychlorinated biphenyls (PCBs), solid	1,770 Tons	Landfill	CWM-Chemical Services LLC, Model City, NY
Waste mercury, solid	25 lbs	Treatment and Landfill	Bethlehem Apparatus Hellertown, PA